

SUMMARY OF THE NEW VARIETY

The "Island Prince" peach is characterized by producing an extra large clingstone fruit which has good red blush coloration and is ripe for commercial harvesting and shipment approximately May 8 to May 10 in the San Joaquin Valley of Central California. The new variety is most similar to "Island King" peach tree (U.S. Plant Patent 9199) from which it is a sport but from which is distinguishable in that it ripens ten to fourteen days later than the fruit of "Island King" peach tree and in that the fruit is about one-third again larger in size than that of the "Island King" peach tree. The fruit of this new variety possesses a very good flavor as well as aroma which is greatly acceptable for an early ripening variety.

BRIEF DESCRIPTION OF THE DRAWING

The accompanying drawing is a color photograph showing fruit and foliage of the new variety. The view on the left side of the photograph displays a fruit cut in half showing the pit and the flesh on the upper half and the pit well and the flesh on the bottom half. In the center the fruit showing the stem end and the suture while on the upper right is a fruit showing a side view with the cheek surface and the fruit on the bottom right shows the stem end of the fruit. The top of the photograph shows the foliage typical of this variety of peach tree.

DETAILED DESCRIPTION

Referring more specifically to the pomological description of this new and distinct variety of peach tree, the following has been observed under the ecological conditions prevailing in the orchard of origin which is located near Kingsburg, California in the San Joaquin Valley of Central California. All major color code designations are by reference to the Dictionary of Color by Maerz & Paul, First Edition 1930. Common color names are also occasionally employed

TREE

Size: Tree is similar in size and growth habit to "Island King" Plant Patent 9199 - medium size for peaches.

Vigor: Moderate at 4th year of growth.

Figure (form): Upright and spreading with open vase system of training.
Productivity is very good for four year old tree.
Regularity of bearing appears to be regular.

Trunk Size: Medium (diameter 9", 10" above soil level) - moderately rough
Color - Page 52, Plate 15C6, Grey 31
Lentils - Oval form, medium, many and from 4-7mm (.16-28 inch) in length

Branches: Size - Medium
Surface texture - slightly rough
a. Mature - Sl. Rough
b. Immature - Smooth
Color Code (one year or older, Pg. 36, Pl. 7E10 Chestnut Brownstone
Color Code (immature), Pg. 60 Pl. 19 L6 Calliste Green

Three to four scaffold with lateral branches, at this stage of growth, being develop fruit wood and allow maximum sunlight for fruit colors. Diameter of scaffold branches taken at about two feet above soil level is five to six inches in circumference.

LEAVES

Size - Medium to large
Length - 155mm - 165mm (6.10-6.50 inch)
Width - 38mm - 41mm (1.50 - 1.61 inch)
Shape - Lanceolate, leaf tip acuminate
Color Code -
Upwardly disposed surface - Pg. 68, Pl. 23 J3 - Mt. Vernon Green
Downwardly disposed surface - Pg. 64, Pl. 21, I6 - Near Mignard Green
Marginal form - Crenate
Leaf Vein -
Color Code - Page 62, Pl. 20 K6 (Piquant Green)
Thickness - 1-1/2 mm (.06 inch)
Glandular characteristics - reniform - alternate and medium size
Petiole -
Size - Medium
Length - 10-11 mm (.37-.43 inch)
Thickness - 2mm (.08 inch)
Color Code - Page 62, Pl. 20K - (Piquant Green)

FLOWERS

Flower buds: Hardy under typical central San Joaquin Valley climate condition.

Size - dormant buds of average size.

Form - conic and slightly appressed to the bearing wood.

Bud scales:

Color - color 6C9 Medium brownish-gray and very pubescent on surface.

Generally - Showy type.

Date of Bloom: 5 - 10% as of Feb 24, 2000, 100% bloom on March 8, 2000, comparable to date of parent "Island King", pp#9199.

Size - generally medium to large.

Diameter - when fully expanded - .32mm (1.26 inch) to 40mm (1.51 inch).

Bloom quality - abundant.

Petals:

Size - medium to large

Length - 15 mm (.59 inch) to 18 mm (.71 inch).

Width - 12mm (.47 inch) to 15 mm (.59 inch).

Form - broadly ovate

Color - from light pink 1-C3 to 1-E2 with older petals.

Petal claws - broadly truncate

Width - 1 mm (.254 inch)

Length - 1.5 mm (.059 inch)

Petal margins - moderately undulated with somewhat rounded margins.

Flower pedicel: very short (2-3 mm) .079 inch - .12 inch.

Color - 19L6 Calliste Gr.

Surface - glabrous

Sepals:

Surface - pubescent

Size - medium to large

Form - broadly ovate

Color - maroon 7H4

Calyx:

Color green at base 18K7 and maroon near base of sepals 7 H4.

Anthers:

Size - average

Color - 5L3 - red near dianthe

On dorsal side and edges +10F4

(Pale chamois) on ventral side

Stamen: 10-12 mm (.039 - .47 inch)

Filament: Color very light pink 1 D1

Pistil:

Length - average 18 mm

Color - 19D2 Seafoam green

Surface - Pubescent

FRUIT

Date of Maturity - May 8-10 in a normal year

Size -

Diameter Axial Plane - 73-83mm (2.87-3.27 inch with 64% of the larger size)

Transverse in Suture Plane - 62-67mm (2.44-2.67 inches)

Transverse at Rt. Angle to Suture Plane - 71-77mm (2.80-3.03 inches)

Form -

Uniform

Symmetrical or Asymmetrical - Shape of fruit is slightly asymmetrical

Suture - Shallow but with distinct yellow coloration from base to apex

Ventral Surface - uneven

Stem Cavity -

Width - 14-15mm (.55-.59 inch)

Depth - 9-10mm (.35-.39 inch)

Length - 16-18mm (.63-.71 inch)

Shape - Oval

Stem - Short

Caliper - 4-8mm (.16-.2 inch)

Apex - Sl. Rounded

Pistil Point - Oblique

Skin - Thickness normal for peach, sl. Pubescent

Texture - Firm

Tendency - None observed.

Color Code -

Blush Color - Pg. 36 Pl. 7 H6, Peony, Burmese Ruby

Ground Color - varies over 50% at axis, pg. 42, Pl 10, C4 Sunset

Flesh Color - Pg. 40 Pl. 9 J5 Jonquil

Color at Surface of Pit Cavity - Pg. 40 Pl. 9 J5

Color of Pit Well - Pg. 40 Pl. 9 J5

Juice Production - Moderate

Flavor - Very good to excellent

Aroma - Good

Texture - Firm

Fibers -

Number - Few

Texture - Firm

Ripening - Even

Eating Quality - Very good to excellent

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